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MAY 11 2007

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**In the claims:**

1. (Currently Amended) A method for ~~[[of]] transferring processing packets of data from a source to a destination, the source being adapted to receive a plurality of packets of data for transfer to the destination, the method comprising the steps of:~~

~~for each packet of data to be transferred, splitting the data~~ each packet ~~into a first portion and a second portion;~~

~~associating a first synchronization code with the first portion of data for each packet;~~

~~associating a second synchronization code with the second portion of data for each packet;~~

~~with a first processor, analyzing the first portion of data and the associated first synchronization code for each packet of data to identify a first state associated with the first portion of data for each packet;~~

~~for each packet of data, storing the first portion of data, and its associated first synchronization code and the associated first state in a first storage device;~~

~~with a second processor, analyzing the second portion of data and the associated second synchronization code for each packet of data to identify a second state associated with the second portion of data for each packet;~~

~~for each packet of data, storing the second portion of data[[,]] and its associated second synchronization code and the associated second state in a second storage device; and~~

~~with a third processor, (i) reading from the first storage device retrieving one of the first portions of data stored therein, and its associated first synchronization code, and its associated first state, (ii) reading from the second storage device retrieving one of the second portions of data stored therein, and its associated second synchronization code, and its associated second state, (iii) determining by the codes whether the first and second portions of data were generated from the same packet of data, and [[(iv)]] if the first and~~

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second portions of data were generated from the same packet of data, combining them to regenerate the packet of data.

2. (Currently amended) The method of claim 1 further comprising, if the first and second portions of data were not generated from the same packet of data, performing a recovery operation ~~to recover synchronization of the portions of data.~~

3. (Original) The method of claim 2 wherein the recovery operation comprises discarding at least one portion of data.

4. (Currently Amended) The method of claim 2 wherein the recovery operation comprises discarding portions of data ~~read from one of the first and second storage devices until a~~ first or second synchronization code of a portion of data ~~read from the one of the first and second storage devices~~ indicates that the associated portion of data came from the same packet of data as a portion of data read from the other of the first and second storage devices.

5. (Currently Amended) The method of claim 1 wherein the ~~synchronization~~ codes for like portions of successive packets of data are set to a series of values which repeats periodically.

6. (Currently Amended) The method of claim 5 wherein each of the ~~synchronization~~ codes for like portions of packets of data is set to one of three values.

7. (Currently Amended) The method of claim 6 wherein one of the values is an idle value, wherein portions of packets of data associated with the idle value ~~synchronization~~ code are grouped in succession between portions of packets of data associated with ~~synchronization~~ codes having the other two values.

8-10. (Canceled)

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11. (Currently Amended) An apparatus for ~~transferring processing packets of data, from a source to a destination, the source being adapted to receive a plurality of packets of data for transfer to the destination, the apparatus comprising:~~

~~a splitting device mechanism for (i) receiving from the source each packet of data to be transferred to the destination and splitting each packet of data into a first portion and a second portion, [(ii)] associating a first synchronization code with the first portion of data for each packet, and [(iii)] associating a second synchronization code with the second portion of data for each packet;~~

~~a first processor for analyzing the first portion of data and the associated first synchronization code for each packet of data to identify a first state associated with the first portion of data for each packet;~~

~~a first storage device for storing, for each packet of data, the first portion of data, its associated first code and the second portion of data and its associated second code and the associated first state;~~

~~a second processor for analyzing the second portion of data and the associated second synchronization code for each packet of data to identify a second state associated with the second portion of data for each packet;~~

~~a second storage device for storing, for each packet of data, the second portion of data, its associated second synchronization code and the associated second state; and~~

~~a third processor for (i) a recombining mechanism for reading from the first storage device one of the first portions of data stored therein[,], and its associated first synchronization code, and its associated first state, (ii) reading from the second storage device one of the second portions of data stored therein[,], and its associated second synchronization code, and its associated second state, (iii) determining by the codes whether the first and second portions of data were generated from the same packet of data, and [(iv)] if the first and second portions of data were generated from the same packet of data, combining them to regenerate the packet of data.~~

12. (Currently amended) The apparatus of claim 11 wherein, if the first and second portions of data were not generated from the same packet of data, ~~the third processor~~

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performs a recovery operation is performed to recover ~~synchronization of the correct~~ portions of data.

13. (Currently amended) The apparatus of claim 12 wherein, in the recovery operation, ~~the third processor discards~~ at least one portion of data is discarded.

14. (Currently Amended) The apparatus of claim 12 wherein, in the recovery operation, ~~the third processor discards~~ first and second portions of data are read from ~~one of the first and second storage devices~~ device until a first or second ~~synchronization~~ code of ~~[[a]]~~ the ~~portion~~ portions of data ~~read from the one of the first and second storage devices~~ indicates that the associated ~~portion~~ portions of data came from the same packet of data as a ~~portion of data read from the other of the first and second storage devices~~.

15. (Currently amended) The apparatus of claim 11 wherein the ~~synchronization~~ codes for like portions of successive packets of data are set to a series of values which repeats periodically.

16. (Currently amended) The apparatus of claim 15 wherein each of the ~~synchronization~~ codes for like portions of packets of data is set to one of three values.

17. (Currently Amended) The apparatus of claim ~~[[15]]~~ 16 wherein one of the values is an idle value, such that portions of packets of data associated with the idle value ~~synchronization~~ code are grouped in succession between portions of packets of data associated with ~~synchronization~~ codes having either of the other two remaining set values.

18-20. (Canceled)

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21. (Currently amended) A method of recombining portions of data packets into their original data packets ~~to synchronize transfer of the portions of data packets along multiple separate data paths, a first portion of each data packet being received from a first data path and being stored in a first storage device and a second portion of each packet of data being received from a second data path and being stored in a second storage device, said method comprising the steps of:~~

reading from ~~a~~ the first storage device one of the first portions of data[[,]] and a first synchronization-code associated with the first portion of data, ~~and a first state associated with the first portion of data;~~

reading from the ~~same or another~~ second storage device one of the second portions of data[[,]] and a second synchronization-code associated with the second portion of data, ~~and a second state associated with the second portion of data;~~

~~analyzing the first and second synchronization codes and the first and second states associated with the first and second portions of data, respectively, to determine~~ determining by the codes whether the first and second portions of data were generated from the same packet of data; and

if the first and second portions of data were generated from the same packet of data, combining them to regenerate the packet of data.

22. (Canceled)

23. (Currently amended) The method of claim 21 further comprising, if the first and second portions of data were not generated from the same packet of data, performing a recovery operation ~~to recover synchronization of the portions of data.~~

24. (Original) The method of claim 23 wherein the recovery operation comprises discarding at least one portion of data.

25. (Currently Amended) The method of claim 23 wherein the recovery operation comprises discarding portions of data ~~read from one of the first and second storage~~

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devices until a ~~synchronization code~~ the codes of ~~[[a]]~~ the portion portions of data read from the one of the first and second storage devices ~~indicates~~ indicate that the associated ~~portion portions~~ of data came from the same packet of data as a ~~portion of data read from the other of the first and second storage devices.~~

26. (Currently amended) An apparatus for recombining portions of data packets into their original data packets to ~~synchronize transfer of the portions of data packets along multiple separate data paths, a first portion of each data packet being received from a first data path and being stored in a first storage device and a second portion of each packet of data being received from a second data path and being stored in a second storage device, said apparatus comprising: a processor for (i)~~

a reader mechanism reading from the first ~~a~~ storage device ~~one of the a~~ first ~~portions~~ portion of data~~[[,]]~~ and a first ~~synchronization code~~ synchronization code associated with the first portion of data, and ~~a first state associated with the first portion of data, (ii)-reading from the second same or another storage device one of the a second portions~~ portion of data~~[[,]]~~ and a second ~~synchronization code~~ synchronization code associated with the second portion of data~~[[,]]~~; and ~~a second state associated with the second portion of data, (iii)~~

a comparing mechanism analyzing comparing the first and second ~~synchronization codes and the first and second states associated with the first and second portions of data, respectively,~~ to determine whether the first and second portions of data were generated from the same packet of data~~[[,]]~~; and ~~[[iv]]~~

a recombination mechanism that, if the first and second portions of data were generated originally from the same packet of data, combining them to regenerate the packet of data.

27. (Canceled)

28. (Currently amended) The apparatus of claim 26 further comprising a recovery mechanism ~~wherein the processor performs to perform~~ a recovery operation ~~to recover~~

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~~synchronization of the portions of data~~ if the first and second portions of data were not generated from the same packet of data.

29. (Original) The apparatus of claim 28 wherein, in performing the recovery operation, ~~the processor discards~~ at least one portion of data is discarded.

30. (Currently Amended) The apparatus of claim 28 wherein, in performing the recovery operation, ~~the processor discards portions of data read from one of the first and second storage devices~~ are discarded until a first or second ~~synchronization~~ code of a portion of data read from the one of the first and second storage devices indicates that the associated portion of data came from the same packet of data ~~as a portion of data read from the other of the first and second storage devices.~~